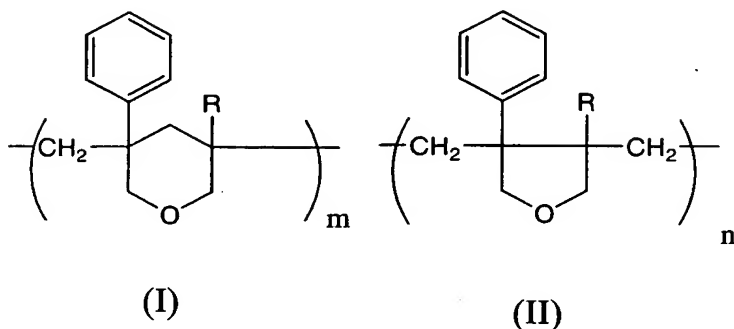


WHAT IS CLAIMED IS:

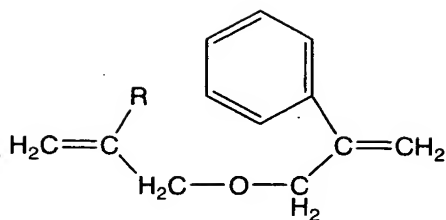
1. A thermoplastic resin comprising structural units of the following formulas (I) and (II):

5



as repeating units, wherein R represents a hydrogen atom or a hydrocarbon group, and m and n each denote an integer of 0 or 1 or higher, provided that m and n are not 0 at the same time.

2. The thermoplastic resin according to claim 1, wherein R is phenyl.
- 15 3. The thermoplastic resin according to claim 1, wherein R is hydrogen.
4. A thermoplastic resin obtained by polymerizing a monomer having a structure of the following formula (III):



(III)

wherein R represents a hydrogen atom or a hydrocarbon group.

5. The thermoplastic resin according to claim 4,  
5 wherein R is phenyl.

6. The thermoplastic resin according to claim 4,  
wherein R is hydrogen.

10 7. The thermoplastic resin according to claim 5 which  
has a degree of cyclization of 90% or higher.

8. The thermoplastic resin according to claim 6 which  
has a degree of cyclization of 80% or higher.

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9. The thermoplastic resin according to claim 5 which  
has a glass transition temperature (Tg) of 180°C or higher,  
but lower than 270°C.

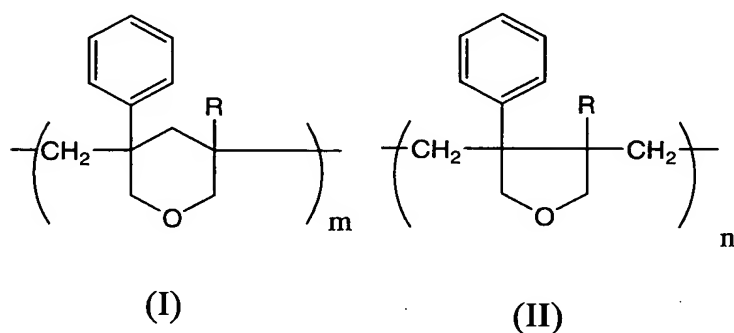
20 10. The thermoplastic resin according to claim 6 which  
has a glass transition temperature (Tg) of 100°C or higher,  
but lower than 125°C.

11. The thermoplastic resin according to any one of claims 4 to 6 which has a thermal decomposition point of 350° or higher.

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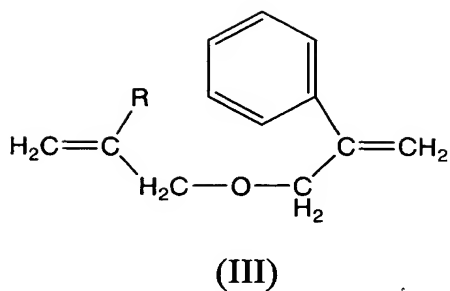
12. The thermoplastic resin according to any one of claims 4 to 6 which has a moisture content of less than 0.01%.

10 13. A method for producing a thermoplastic resin comprising structural units of the following formulas (I) and (II):



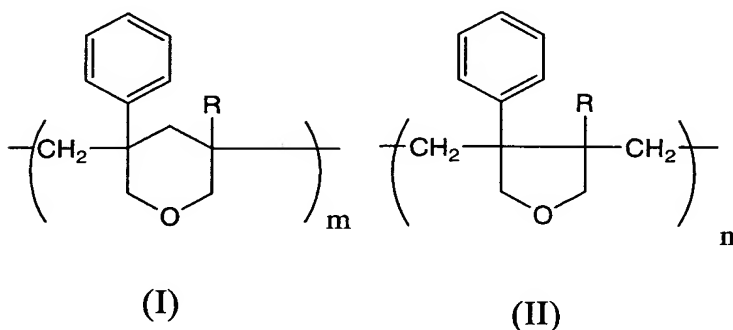
15 as repeating units, wherein R represents a hydrogen atom or a hydrocarbon group, and m and n each denote an integer of 0 or 1 or higher, provided that m and n are not 0 at the same time,

said method comprising polymerizing a monomer having a structure of the following formula (III):



wherein R represents a hydrogen atom or a hydrocarbon group.

14. Amolded article obtained from a thermoplastic resin  
 5 comprising structural units of the following formulas (I)  
 and (II):



as repeating units, wherein R represents a hydrogen atom  
 or a hydrocarbon group, and m and n each denote an integer  
 10 of 0 or 1 or higher, provided that m and n are not 0 at  
 the same time.